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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 14 JUL 2006 HIGHEST RN 892755-86-1 DICTIONARY FILE UPDATES: 14 JUL 2006 HIGHEST RN 892755-86-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

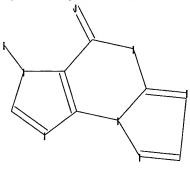
TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

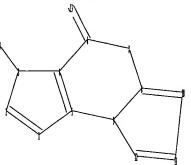
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

Uploading C:\Program Files\Stnexp\Queries\10614365pdeV.str





chain nodes : 13 14

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds : 3-14 6-13

ring bonds:
1-5 1-2 2-3 3-4 4-5 4-6 5-9 6-7 7-8 8-9 8-10 9-12 10-11 11-12

exact/norm bonds :

1-5 1-2 2-3 3-4 4-5 4-6 5-9 6-7 6-13 7-8 8-9 8-10 9-12 10-11 11-12

exact bonds :

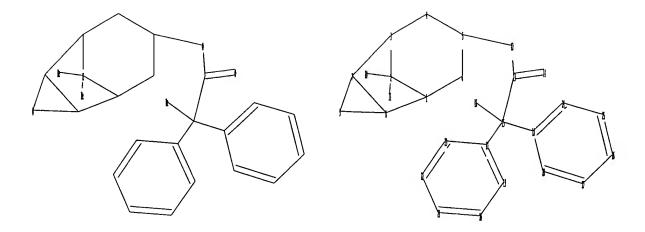
3-14

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:CLASS 14:CLASS

L1 STRUCTURE UPLOADED

=>
Uploading C:\Program Files\Stnexp\Queries\10614365anticholinergic.str



chain nodes :

10 11 12 13 14 15 16

ring nodes :

1 2 3 4 5 6 7 8 9 17 18 19 20 21 22 23 24 25 26 27 28

chain bonds :

2-10 2-11 5-12 12-13 13-14 13-15 15-16 15-17 15-18

ring bonds :

1-2 1-6 1-8 2-3 3-4 3-7 4-5 5-6 7-8 7-9 8-9 17-19 17-23 18-24 18-28

19-20 20-21 21-22 22-23 24-25 25-26 26-27 27-28

exact/norm bonds :

1-2 1-6 1-8 2-3 3-4 3-7 4-5 5-6 5-12 7-8 7-9 8-9 12-13 13-14

exact bonds :

2-10 2-11 13-15 15-16 15-17 15-18

normalized bonds :

17-19 17-23 18-24 18-28 19-20 20-21 21-22 22-23 24-25 25-26 26-27 27-28

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom

L2 STRUCTURE UPLOADED

=> s L2

SAMPLE SEARCH INITIATED 11:33:08 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 1 TO 80

L3 1 SEA SSS SAM L2

=> d 13

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN

RN 613685-68-0 REGISTRY

ED Entered STN: 07 Nov 2003

CN 3-0xa-9-azoniatricyclo[3.3.1.02,4]nonane, 9,9-dimethyl-7-(1-oxo-2,2diphenylpropoxy) -, $(1\alpha, 2\beta, 4\beta, 5\alpha, 7\beta)$ -,

(2E) -2-butenedioate (1:1) (9CI) (CA INDEX NAME)

FS STEREOSEARCH

C24 H28 N O3 . C4 H3 O4 MF

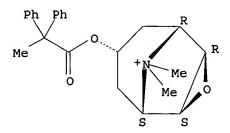
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

> CM 1

CRN 613685-62-4 CMF C24 H28 N O3

Relative stereochemistry.



CM 2

CRN 18610-40-7 CMF C4 H3 O4

Double bond geometry as shown.

- 4 REFERENCES IN FILE CA (1907 TO DATE)
- 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s l1

SAMPLE SEARCH INITIATED 11:33:40 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED -8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS 4 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

> BATCH **COMPLETE**

PROJECTED ITERATIONS: 8 TO 329 PROJECTED ANSWERS: 4 TO 200

4 SEA SSS SAM L1 L4

=> d 14 1-4

ANSWER 1 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN L4

RN259745-43-2 REGISTRY

ED Entered STN: 22 Mar 2000

CN 4H-[1,2,4]Triazolo[5,1-b]purin-5(6H)-one, 4-ethyl-2-(3-pyridinylmethyl)-(CA INDEX NAME) (9CI)

FS 3D CONCORD

MF C14 H13 N7 O SR CA

LC STN Files: CA, CAPLUS, USPATFULL

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN

RN 259744-92-8 REGISTRY

ED Entered STN: 22 Mar 2000

CN 4H-[1,2,4]Triazolo[5,1-b]purin-5(6H)-one, 7-cyclohexyl-4-ethyl-2-(phenylmethyl)- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C21 H24 N6 O

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN

RN 259744-55-3 REGISTRY

ED Entered STN: 22 Mar 2000

CN 4H-[1,2,4]Triazolo[5,1-b]purin-5(6H)-one, 7-cyclopentyl-4-ethyl- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C13 H16 N6 O

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN

RN 252665-43-3 REGISTRY

ED Entered STN: 11 Jan 2000

CN 4H-[1,2,4]Triazolo[5,1-b]purin-5(6H)-one, 2-(2-aminoethyl)-7-cyclopentyl-4-ethyl- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C15 H21 N7 O

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

$$H_2N-CH_2-CH_2$$
 N
 N
 O
Et

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)

3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> sel 13

E1 THROUGH E1 ASSIGNED

=> sel 14

E2 THROUGH E5 ASSIGNED

=> s enprofylline/cn

L5 1 ENPROFYLLINE/CN

=> d 15

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN

RN 41078-02-8 REGISTRY

ED Entered STN: 16 Nov 1984

CN 1H-Purine-2,6-dione, 3,7-dihydro-3-propyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

```
CN
    3-Propylxanthine
CN
    D 4028
CN
     Enprofylline
FS
     3D CONCORD
MF
     C8 H10 N4 O2
                  ADISINSIGHT, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS,
LC
     STN Files:
       BIOTECHNO, CA, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, DDFU,
       DRUGU, EMBASE, IPA, MEDLINE, PHAR, PROMT, PROUSDDR, RTECS*, SYNTHLINE,
       TOXCENTER, USAN, USPATZ, USPATFULL
         (*File contains numerically searchable property data)
     Other Sources:
                     EINECS**, WHO
         (**Enter CHEMLIST File for up-to-date regulatory information)
  n-Pr
 HN.
            NΗ
     0
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
             303 REFERENCES IN FILE CA (1907 TO DATE)
               6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
             303 REFERENCES IN FILE CAPLUS (1907 TO DATE)
=> sel 15
E6 THROUGH E9 ASSIGNED
=> s theophylline/cn
             1 THEOPHYLLINE/CN
=> d 16
     ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
L6
     58-55-9 REGISTRY
     Entered STN: 16 Nov 1984
     1H-Purine-2,6-dione, 3,7-dihydro-1,3-dimethyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
     Theophylline (8CI)
OTHER NAMES:
     1,3-Dimethylxanthine
CN
     Accurbron
CN
     Aerobin
CN
     Aerolate
CN
     Afonilm
CN
     Armophylline
CN
     Asmax
CN
     Austyn
CN
     Bilordyl
CN
     Brochoretard
CN
     Bronkodyl
CN
     Cetraphylline
CN
     Chronophyllin
CN
     Constant T
CN
     Diffumal
CN
     Duraphyl
     Duraphyllin
CN
CN
     Egifilin
```

```
CN
     Elan
CN
     Elixophyllin
     Elixophylline
CN
CN
     Etheophyl
CN
     Euphylong
CN
     Insanovin
CN
     LaBID
CN
     Lanophyllin
CN
     Lasma
CN
     Liquophylline
CN
     NSC 2066
CN
    Nuelin
     Optiphyllin
CN
CN
     Parkophyllin
     Physpan
CN
CN
     Pro-Vent
CN
     Pseudotheophylline
CN
     PulmiDur
     Pulmo-Timelets
CN
     Quibron T
CN
     Quibron T/SR
CN
CN
    Respbid
    Respicur
CN
CN
     Slo-Bid
CN
     Slo-Phyllin
CN
     Solosin
CN
     Somophyllin CRT
CN
     Somophyllin T
     Spophyllin retard
CN
CN
     Sustaire
     Talotren
CN
CN
     Telb-DS
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
     DISPLAY
FS
     3D CONCORD
     56645-32-0, 75448-53-2, 46157-00-0
DR
MF
     C7 H8 N4 O2
CI
     COM
                  ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS,
     STN Files:
LC
       BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,
       CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU,
       EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IPA,
       MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PATDPASPC, PHAR, PIRA, PROMT, PS,
       RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USAN, USPAT2, USPATFULL,
       VETU, VTB
         (*File contains numerically searchable property data)
     Other Sources: DSL**, EINECS**, TSCA**
         (**Enter CHEMLIST File for up-to-date regulatory information)
```

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

14303 REFERENCES IN FILE CA (1907 TO DATE)
283 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

14315 REFERENCES IN FILE CAPLUS (1907 TO DATE) 7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> sel 16 E10 THROUGH E99 ASSIGNED

=> s roflumilast/cn or ariflo/cn or BAY198004/cn or CP-325366/cn or BY343/cn or Sch351591/cn or V-11294A/CN or AWD-12-281/cn

- 1 ROFLUMILAST/CN
- 1 ARIFLO/CN
- 0 BAY198004/CN
- 0 CP-325366/CN
- 0 BY343/CN
- 0 SCH351591/CN
- 0 V-11294A/CN
- 0 AWD-12-281/CN
- L7 2 ROFLUMILAST/CN OR ARIFLO/CN OR BAY198004/CN OR CP-325366/CN OR BY343/CN OR SCH351591/CN OR V-11294A/CN OR AWD-12-281/CN

=> d 17 1-2

L7 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN

RN 162401-32-3 REGISTRY

ED Entered STN: 21 Apr 1995

CN Benzamide, 3-(cyclopropylmethoxy)-N-(3,5-dichloro-4-pyridinyl)-4-(difluoromethoxy)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN B 9302-107

CN BY 217

CN BYK 20869

CN Roflumilast

FS 3D CONCORD

MF C17 H14 Cl2 F2 N2 O3

CI COM

SR CA

LC STN Files: ADISINSIGHT, ADISNEWS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, DDFU, DRUGU, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MRCK*, PHAR, PROMT, PROUSDDR, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPATFULL

(*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

136 REFERENCES IN FILE CA (1907 TO DATE)

11 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

136 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN

RN 153259-65-5 REGISTRY

ED Entered STN: 24 Feb 1994

CN Cyclohexanecarboxylic acid, 4-cyano-4-[3-(cyclopentyloxy)-4-methoxyphenyl] , cis- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Ariflo

CN Cilomilast

CN cis-4-Cyano-4-(3-cyclopentyloxy-4-methoxyphenyl)cyclohexanecarboxylic acid

CN cis-4-[3-(Cyclopentyloxy)-4-methoxyphenyl]-4-cyanocyclohexane-1-carboxylic acid

CN SB 207499

FS STEREOSEARCH

MF C20 H25 N O4

CI COM

SR CA

LC STN Files: ADISINSIGHT, ADISNEWS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CIN, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MRCK*, PHAR, PROMT, PROUSDDR, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Relative stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

199 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
199 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> sel 17 E100 THROUGH E110 ASSIGNED

=> index bioscience patents
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
FILE 'ENCOMPPAT2' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 71.19 71.40

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 11:37:08 ON 17 JUL 2006

92 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s E1 and (E2-E5)

33 FILES SEARCHED...

70 FILES SEARCHED...

- 84 FILES SEARCHED...
- O FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX
- L8 QUE 613685-68-0/BI AND ((252665-43-3/BI OR 259744-55-3/BI OR 259744-92-8/B I OR 259745-43-2/BI))
- => s E1 and (E6-E110)
 - 2 FILES SEARCHED...
 - 7 FILES SEARCHED...
 - 12 FILES SEARCHED...
 - 13 FILES SEARCHED...
 - 1 FILE CAPLUS
 - 18 FILES SEARCHED...
 - 22 FILES SEARCHED...
 - 23 FILES SEARCHED...
 - 30 FILES SEARCHED...
 - 34 FILES SEARCHED...
 - 42 FILES SEARCHED...
 - 12 TIDDO DDARCHDD...
 - 48 FILES SEARCHED...
 - 57 FILES SEARCHED...
 - 62 FILES SEARCHED...
 - 66 FILES SEARCHED...
 - 68 FILES SEARCHED...
 - 73 FILES SEARCHED...
 - 75 FILES SEARCHED...
 - 78 FILES SEARCHED...
 - 83 FILES SEARCHED...
 - 85 FILES SEARCHED...
 - 87 FILES SEARCHED...
 - 1 FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX
- OUE 613685-68-0/BI AND (("D 4028"/BI OR ENPROFYLLINE/BI OR 3-PROPYLXANTHIN L9 E/BI OR 41078-02-8/BI OR ACCURBRON/BI OR AEROBIN/BI OR AEROLATE/BI OR AFONILM/BI OR ARMOPHYLLINE/BI OR ASMAX/BI OR AUSTYN/BI OR BILORDYL/BI OR BROCHORETARD/BI OR BRONKODYL/BI OR CETRAPHYLLINE/BI OR CHRONOPHYLLI N/BI OR "CONSTANT T"/BI OR DIFFUMAL/BI OR DURAPHYL/BI OR DURAPHYLLIN/B I OR EGIFILIN/BI OR ELAN/BI OR ELIXOPHYLLIN/BI OR ELIXOPHYLLINE/BI OR ETHEOPHYL/BI OR EUPHYLONG/BI OR INSANOVIN/BI OR LABID/BI OR LANOPHYLLI N/BI OR LASMA/BI OR LIQUOPHYLLINE/BI OR "NSC 2066"/BI OR NUELIN/BI OR OPTIPHYLLIN/BI OR PARKOPHYLLIN/BI OR PHYSPAN/BI OR PRO-VENT/BI OR PSEU DOTHEOPHYLLINE/BI OR PULMIDUR/BI OR PULMO-TIMELETS/BI OR "QUIBRON T"/B I OR "OUIBRON T/SR"/BI OR RESPBID/BI OR RESPICUR/BI OR SLO-BID/BI OR S LO-PHYLLIN/BI OR SOLOSIN/BI OR "SOMOPHYLLIN CRT"/BI OR "SOMOPHYLLIN T" /BI OR "SPOPHYLLIN RETARD"/BI OR SUSTAIRE/BI OR TALOTREN/BI OR TELB-DS /BI OR "TELBANS DRY SYRUP"/BI OR TELBANS/BI OR "TEOCEN 200"/BI OR TEON OVA/BI OR TESONA/BI OR "THEO 24"/BI OR THEO-DS/BI OR THEO-DUR/BI OR TH EO-NITE/BI OR THEO-SAV/BI OR "THEOBID DURACAP"/BI OR THEOBID/BI OR THE OCHRON/BI OR THEOCLEAR/BI OR THEODEL/BI OR THEODRIP/BI OR "THEODUR DRY SYRUP"/BI OR THEOFOL/BI OR THEOGRAD/BI OR THEOLAIR/BI OR THEON/BI OR "THEONA P"/BI OR THEOPEK/BI OR THEOPHYL/BI OR THEOPHYLLIN/BI OR THEOPH YLLINE/BI OR THEOPLUS/BI OR THEOSTAT/BI OR THEOTARD/BI OR THEOVENT/BI OR "UNICONTIN CR"/BI OR UNIFYL/BI OR UNILONG/BI OR UNIPHYL/BI OR UNIPH YLLIN/BI OR XANTHIUM/BI OR "1,3-DIMETHYLXANTHINE"/BI OR 46157-00-0/BI OR 56645-32-0/BI OR 58-55-9/BI OR 75448-53-2/BI OR ARIFLO/BI OR "B 930 2-107"/BI OR "BY 217"/BI OR "BYK 20869"/BI OR CILOMILAST/BI OR "CIS-4-(3-(CYCLOPENTYLOXY)-4-METHOXYPHENYL)-4-CYANOCYCLOHEXANE-1-CARBOXYLIC A CID"/BI OR "CIS-4-CYANO-4-(3-CYCLOPENTYLOXY-4-METHOXYPHENYL) CYCLOHEXAN ECARBOXYLIC ACID"/BI OR ROFLUMILAST/BI OR "SB 207499"/BI OR 153259-65-5/BI OR 162401-32-3/BI))

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```
=> s E1 and (E2-E110)
             4 613685-68-0/BI
             3 252665-43-3/BI
             2 259744-55-3/BI
             2 259744-92-8/BI
             2 259745-43-2/BI
       2333425 "D"/BI
           228 "4028"/BI
             1 "D 4028"/BI
                 (("D"(W)"4028")/BI)
           276 ENPROFYLLINE/BI
       6621568 3/BI
           172 PROPYLXANTHINE/BI
            62 3-PROPYLXANTHINE/BI
                 ((3(W)PROPYLXANTHINE)/BI)
           303 41078-02-8/BI
             0 ACCURBRON/BI
             O AEROBIN/BI
             2 AEROLATE/BI
             0 AFONILM/BI
             3 ARMOPHYLLINE/BI
             1 ASMAX/BI
             1 AUSTYN/BI
             0 BILORDYL/BI
             0 BROCHORETARD/BI
             2 BRONKODYL/BI
             1 CETRAPHYLLINE/BI
             1 CHRONOPHYLLIN/BI
        250797 "CONSTANT"/BI
        820037 "T"/BI
            36 "CONSTANT T"/BI
                 (("CONSTANT"(W)"T")/BI)
             3 DIFFUMAL/BI
             0 DURAPHYL/BI
             0 DURAPHYLLIN/BI
             2 EGIFILIN/BI
           257 ELAN/BI
            13 ELIXOPHYLLIN/BI
```

2 ELIXOPHYLLINE/BI

```
0 ETHEOPHYL/BI
    16 EUPHYLONG/BI
    1 INSANOVIN/BI
    0 LABID/BI
    0 LANOPHYLLIN/BI
   13 LASMA/BI
    0 LIQUOPHYLLINE/BI
 3672 "NSC"/BI
   418 "2066"/BI
     0 "NSC 2066"/BI
         (("NSC"(W)"2066")/BI)
    16 NUELIN/BI
    0 OPTIPHYLLIN/BI
     0 PARKOPHYLLIN/BI
     0 PHYSPAN/BI
77803 PRO/BI
 10808 VENT/BI
     1 PRO-VENT/BI
         ((PRO(W) VENT)/BI)
     0 PSEUDOTHEOPHYLLINE/BI
    2 PULMIDUR/BI
    54 PULMO/BI
     3 TIMELETS/BI
     0 PULMO-TIMELETS/BI
         ((PULMO(W)TIMELETS)/BI)
     8 "QUIBRON"/BI
820037 "T"/BI
     4 "QUIBRON T"/BI
         (("QUIBRON"(W)"T")/BI)
     8 "QUIBRON"/BI
820037 "T"/BI
132328 "SR"/BI
     3 "OUIBRON T/SR"/BI
         (("OUIBRON"(W)"T"(W)"SR")/BI)
     0 RESPBID/BI
     3 RESPICUR/BI
   566 SLO/BI
  3163 BID/BI
    18 SLO-BID/BI
         ((SLO(W)BID)/BI)
   566 SLO/BI
    47 PHYLLIN/BI
    14 SLO-PHYLLIN/BI
         ((SLO(W)PHYLLIN)/BI)
     1 SOLOSIN/BI
     4 "SOMOPHYLLIN"/BI
  3851 "CRT"/BI
     1 "SOMOPHYLLIN CRT"/BI
         (("SOMOPHYLLIN"(W)"CRT")/BI)
     4 "SOMOPHYLLIN"/BI
820037 "T"/BI
     0 "SOMOPHYLLIN T"/BI
         (("SOMOPHYLLIN"(W)"T")/BI)
     2 "SPOPHYLLIN"/BI
 14062 "RETARD"/BI
     1 "SPOPHYLLIN RETARD"/BI
         (("SPOPHYLLIN"(W) "RETARD")/BI)
     0 SUSTAIRE/BI
     3 TALOTREN/BI
    14 TELB/BI
 51144 DS/BI
     1 TELB-DS/BI
         ((TELB(W)DS)/BI)
     4 "TELBANS"/BI
447749 "DRY"/BI
```

```
14868 "SYRUP"/BI
      4 "TELBANS DRY SYRUP"/BI
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     0 75448-53-2/BI
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239483 "CARBOXYLIC"/BI
4176556 "ACID"/BI
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          (W) "4" (W) "CYANOCYCLOHEXANE" (W) "1" (W) "CARBOXYLIC" (W) "ACID") /BI)
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  5539 "CYCLOHEXANECARBOXYLIC"/BI
4176556 "ACID"/BI
      2 "CIS-4-CYANO-4-(3-CYCLOPENTYLOXY-4-METHOXYPHENYL) CYCLOHEXANECARB
        OXYLIC ACID"/BI
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    136 162401-32-3/BI
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        92-8/BI OR 259745-43-2/BI OR "D 4028"/BI OR ENPROFYLLINE/BI OR
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L10

3-PROPYLXANTHINE/BI OR 41078-02-8/BI OR ACCURBRON/BI OR AEROBIN/B I OR AEROLATE/BI OR AFONILM/BI OR ARMOPHYLLINE/BI OR ASMAX/BI OR AUSTYN/BI OR BILORDYL/BI OR BROCHORETARD/BI OR BRONKODYL/BI OR CETRAPHYLLINE/BI OR CHRONOPHYLLIN/BI OR "CONSTANT T"/BI OR DIFFUM AL/BI OR DURAPHYL/BI OR DURAPHYLLIN/BI OR EGIFILIN/BI OR ELAN/BI OR ELIXOPHYLLIN/BI OR ELIXOPHYLLIN/BI OR ETHEOPHYL/BI OR EUPHYLO NG/BI OR INSANOVIN/BI OR LABID/BI OR LANOPHYLLIN/BI OR LASMA/BI OR LIQUOPHYLLINE/BI OR "NSC 2066"/BI OR NUELIN/BI OR OPTIPHYLLIN/BI OR PARKOPHYLLIN/BI OR PHYSPAN/BI OR PRO-VENT/BI OR PSEUDOTHEOP HYLLINE/BI OR PULMIDUR/BI OR PULMO-TIMELETS/BI OR "QUIBRON T"/BI OR "QUIBRON T/SR"/BI OR RESPBID/BI OR RESPICUR/BI OR SLO-BID/BI OR SLO-PHYLLIN/BI OR SOLOSIN/BI OR "SOMOPHYLLIN CRT"/BI OR "SOMOPHYLLIN T"/BI OR "SPOPHYLLIN RETARD"/BI OR SUSTAIRE/BI OR TALOTREN /BI OR TELB-DS/BI OR

=> d L10 1 ti abs bib

- L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Pharmaceutical compositions comprising anticholinergic agents and phosphodiesterase IV (PDE-IV) inhibitors for the treatment of respiratory diseases
- AB The invention provides pharmaceutical compns. comprising anticholinergic agents and PDE-IV inhibitors, as well as a method for the production and use thereof in the treatment of respiratory diseases. Powder inhalant formulations are included.
- AN 2004:41257 CAPLUS
- DN 140:87709
- TI Pharmaceutical compositions comprising anticholinergic agents and phosphodiesterase IV (PDE-IV) inhibitors for the treatment of respiratory diseases
- IN Pairet, Michel; Meade, Christopher John Montague; Pieper, Michael P.
- PA Boehringer Ingelheim Pharma G.m.b.H. & Co. K.-G., Germany
- SO PCT Int. Appl., 37 pp. CODEN: PIXXD2
- DT Patent
- LA German
- FAN.CNT 1

	PATENT NO.				KIND DATE				APPLICATION NO.						DATE			
ΡI	WO 2004004704			A1 20040115			WO 2003-EP6668						20030625					
	W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,	
		CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,	
		GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,	LK,	LR,	
		LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NI,	NO,	NZ,	OM,	
		PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	TJ,	TM,	TN,	TR,	
		TT,	TZ,	UA,	ŪĠ,	US,	UZ,	VC,	VN,	ΥU,	ZA,	ZM,	ZW					
	RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	AZ,	BY,	
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		FI,	FR,	GB,	GR,	HU,	ΙE,	IT,	LU,	MC,	NL,	PT,	RO,	SE,	SI,	SK,	TR,	
		BF,	ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG	
	DE 10230769				A1	A1 20040122			DE 2002-10230769						2	0020	709	
	CA 2492	026			AA	AA 20040115			CA 2003-2492026						20030625			
	AU 2003	2427	55		A1	A1 20040123			AU 2003-242755						20030625			
	EP 1521	.576			A1	1 20050413			EP 2003-762509						20030625			
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	JP 2005532379				T2		2005	1027	,	JP 2	004-	5185	66		2	0030	625	
	US 2004	0589	50		A1		2004	0325	1	US 2	003-	6143	65		2	0030	707	
PRAI	DE 2002	-1023	3076	9	Α		2002	0709										
	US 2002	-407	895P		P		2002	0903										
	WO 2003	-EP6	668		W		2003	0625										
os	MARPAT																	

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> index bioscience patents FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED FILE 'ENCOMPPAT2' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION FULL ESTIMATED COST 323.00 407.82

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION CA SUBSCRIBER PRICE -0.75 -0.75

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ... 'ENTERED AT 11:51:05 ON 17 JUL 2006

92 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s (E2-E5)

3 FILE CAPLUS

34 FILES SEARCHED...

76 FILES SEARCHED...

1 FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX

L11 QUE ((252665-43-3/BI OR 259744-55-3/BI OR 259744-92-8/BI OR 259745-43-2/BI))

-0.75

=> file caplus

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION FULL ESTIMATED COST 1.22 409.04 DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION CA SUBSCRIBER PRICE 0.00

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http://www.cas.org/infopolicy.html

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             3 252665-43-3/BI
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             3 ((252665-43-3/BI OR 259744-55-3/BI OR 259744-92-8/BI OR 259745-4
L12
               3-2/BI))
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=> d L12 1-3 ti abs bib

L12 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN Preparation of imidazotriazolopyrimidines as adenosine receptor antagonists GI

$$\begin{array}{c|c}
R6 & R7 \\
\hline
N & R5 \\
\hline
N & N & R4 \\
\hline
R1 & N & O \\
R2 & R & R3 \\
\end{array}$$

Title compds. [I; R1 = H, alkyl, phenyl(alkyl), alkoxycarbonyl, etc.; R2 AB or R3 = alkyl, alkenyl, benzyl; RR2 or RR3 = bond; R4 or R6 = H, alkyl(amino), CH2Ph, etc.; R4R7 or R6R7 = bond; R5 = H, alkyl, phenyl(alkyl), etc.] were prepared Thus, 7-amino-2-[(4methoxybenzyloxy)methyl]-s-triazolo[1,5-a]pyrimidine-5-one was converted in 10 steps to I (RR2 = bond, R1 = CH2OPh, R3 = Et, R4 or R6 = H, R4R7 or R6R7 = bond, R5 = cyclopentyl). Data for biol. activity of I were given. 2002:942787 CAPLUS

138:14073 DN

AN

Preparation of imidazotriazolopyrimidines as adenosine receptor ΤI antagonists

Blech, Stefan; Carter, Adrian; Gaida, Wolfram; Hoffmann, Matthias; IN Kuefner-Muehl, Ulrike; Meade, Christopher John Montague; Pohl, Gerald; Kummer, Werner; Lehr, Erich; Mierau, Joachim; Weiser, Thomas

Boehringer Ingelheim Pharma KG, Germany PA

Ι

U.S., 34 pp., Cont.-in-part of U.S. Ser. No. 333,621, abandoned. SO CODEN: USXXAM

DT Patent

English LΑ

FAN.CNT 3

	PATENT	NO	KI	דאת מוא	E	AP		DATE							
	INILIVI				_ 					- -	_				
ΡI	US 6492	2377	В	1 200	21210	US	2000-	5598	06		2	0000	426		
	WO 2000	012511	A	A1 20000309			WO 1998-EP5455						19980827		
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				, RU, TJ											
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		PT, SE													
	ZA 9808	3189	A	200	00110	ZA	1998-	8189			1	9980	908		
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	MX 9905	843	A	200	00331	MX	1999-	5843			1	9990	621		
PRAI	US 1998	3-90586P	P	199	80625										
	US 1998	3-90587P	P	199	80625										
	WO 1998	8-EP5455	A	2 199	80827										
	US 1999	9-333408	A	2 199	90615										

US 1999-333621 B2 19990615

OS MARPAT 138:14073

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

TI Preparation of imidazotriazolopyrimidines as adenosine receptor antagonists

GI

AB Title compds. [I; R1 = H, alkyl, phenyl(alkyl), alkoxycarbonyl, etc.; R2 or R3 = H, alkyl, phenylalkyl, heterocyclyl(alkyl), etc.; RR2 or RR3 = bond; R4 or R6 = H, (amino)alkyl, CH2Ph, etc.; R4R7 or R6R7 = bond; R5 = H, alkyl, phenyl(alkyl), etc.] were prepared Thus,7-amino-2-[(4-methoxybenzyloxy)methyl]-s-triazolo[1,5-a]pyrimidine-5-one was converted in 10 steps to I (RR2 = bond, R1 = CH2OPh, R3 = Et, R4 or R6 = H, R4R7 or R6R7 = bond, R5 = cyclopentyl). Data for biol. activity of I were given.

AN 2000:161287 CAPLUS

DN 132:194388

TI Preparation of imidazotriazolopyrimidines as adenosine receptor antagonists

IN Kufner-muhl, Ulrike; Kummer, Werner; Pohl, Gerald; Gaida, Wolfram; Lehr, Erich; Mierau, Joachim; Weiser, Thomas; Carter, Adrian; Meade, Christopher John Montague; Blech, Stefan; Hoffmann, Matthias

PA Boehringer Ingelheim Pharma Kg, Germany; et al.

SO PCT Int. Appl., 77 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 3

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ΡI	WO 2000012511			A1 20000309			WO 1998-EP5455						19980827					
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	US	6492	377			B1		2002	1210	1	US 2	000-	5598	06		2	0000	426
PRAI	US	1998	-905	86P		P		1998	0625									
	US	1998	-905	87P		P		1998	0625									
	WO	1998	-EP5	455		A		1998	0827									
	US	1999	-333	408		A2		1999	0615									
	US	1999	-333	621		B2		1999	0615									
os	MAI	RPAT	132:	1943	88													

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN TI Imidazotriazolopyrimidines as adenosine antagonists

AB Imidazotriazolopyrimidines I [R1, R5 = (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, Ph, norbornyl, norbornenyl, adamantyl, noradamantyl, CO2H, CONH2, NH2, CHO; R2, R3 = (un)substituted alkyl; R2R7, R3R7, R4R8, R8R6 = bond; R4, R6 = H, alkyl, aminoalkyl, PhCH2; R2 and R3 or R4 and R6 cannot be present simultaneously] were prepared for use as adenosine antagonists. Thus, I [R1 = CH2OPh, R2R7, R4R8 = bond, R3 = Et, R5 = cyclopentyl, R4R8 = bond, II] was prepared from 4-MeOC6H4CH2OH, ClCH2CO2H, aminoguanidine cyclopentanecarbonyl chloride, and phenol in 12 steps. II had a KiAl receptor binding activity of 3.6 nM.

AN 1999:811248 CAPLUS

DN 132:35717

TI Imidazotriazolopyrimidines as adenosine antagonists

IN Blech, Stefan; Carter, Adrian; Gaida, Wolfram; Hoffmann, Matthias; KuefnerMuehl, Ulrike; Meade, Christopher John Montague; Pohl, Gerald

PA Boehringer Ingelheim Pharma K.-G., Germany

SO PCT Int. Appl., 69 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

FAN.	PATENT NO.				KIND DATE			APPLICATION NO.						DATE				
ΡI	WO 9965912			A1 19991223			WO 1999-EP4017						19990611					
	W:	AU,	BG,	BR,	BY,	CA,	CN,	CZ,	EE,	HU,	ID,	IL,	IN,	JP,	KR,	ΚZ,	LT,	
								RU,										
								MD,				•	-		•			
	RW:	AT,										GR.	IE.	IT.	LU.	MC,	NL,	
		PT,		,	,	,		,			- •	•	•	•	·	•	·	
					A1 19991223				DE 1998-19826843						19980616			
	CA 2327395							CA 1999-2327395										
	AU 9945							0105								9990	611	
	EP 1087							0404								9990	611	
	EP 1087																	
	_	AT,							GB.	GR.	TT.	LI.	LU.	NL.	SE.	MC.	PT.	
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	JP 2002				Т2		2002	0625		JP 2	000-	5547	37		1	9990	611	
	AT 2307				E			0115				9279				9990		
	ES 2186							0501								9990		
DDAT	DE 1998							0616							-	0		
FICAL	WO 1999			,			1999											
os	MARPAT			7	**			0011										
US	LIMKLATI	132:	33/L	,														

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s L12 and anticholinergic
5058 ANTICHOLINERGIC

L13 0 L12 AND ANTICHOLINERGIC

(FILE 'HOME' ENTERED AT 11:31:58 ON 17 JUL 2006)

STN INTERNATIONAL LOGOFF AT 11:53:26 ON 17 JUL 2006

L1 L2 L3 L4	1 4	STRY' ENTERED AT 11:32:05 ON 17 J STRUCTURE UPLOADED STRUCTURE UPLOADED S L2 S L1 SEL L3 SEL L4 S ENPROFYLLINE/CN	TUL 2006									
L6	SEL L5 1 S THEOPHYLLINE/CN											
L7	SEL L6 2 S ROFLUMILAST/CN OR ARIFLO/CN OR BAY198004/CN OR CP-325366/CN O SEL L7											
	AQUASCI, B CEABA-VTB,	SCTI, ADISINSIGHT, ADISNEWS, AGRI IOENG, BIOSIS, BIOTECHABS, BIOTEC CIN, CONFSCI, CROPB, CROPU, DDFB , DRUGU, EMBAL, EMBASE,' ENTE SEA E1 AND (E2-E5)	CHDS, BIOTECHNO B, DDFU, DGENE,	, CABA, CAPLUS, DISSABS, DRUGB,								
L8		QUE 613685-68-0/BI AND ((252665-	43-3/BI OR 259	744-55-3/BI OR 25								
		SEA E1 AND (E6-E110)										
L9		1 FILE CAPLUS QUE 613685-68-0/BI AND (("D 4028	B"/BI OR ENPROF	YLLINE/BI OR 3-PR								
L10		US' ENTERED AT 11:50:14 ON 17 JUL S E1 AND (E2-E110)	2006									
	AQUASCI, B CEABA-VTB,	SCTI, ADISINSIGHT, ADISNEWS, AGRI IOENG, BIOSIS, BIOTECHABS, BIOTEC CIN, CONFSCI, CROPB, CROPU, DDFE , DRUGU, EMBAL, EMBASE,' ENTE SEA (E2-E5)	CHDS, BIOTECHNO B, DDFU, DGENE,	, CABA, CAPLUS, DISSABS, DRUGB,								
L11		3 FILE CAPLUS QUE ((252665-43-3/BI OR 259744-5	55-3/BI OR 2597	44-92-8/BI OR 259								
L12 L13	3	US' ENTERED AT 11:52:29 ON 17 JUL S (E2-E5) S L12 AND ANTICHOLINERGIC	2006									
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	IN U.S. DO		SINCE FILE ENTRY	TOTAL SESSION								
FULL	ESTIMATED	COST	18.89	427.93								
DISC	OUNT AMOUNT	S (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION								
CA S	UBSCRIBER P	RICE	-2.25	-3.00								